

Material Safety Data Sheet



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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

UTILITY WATERS

SYNONYM: CLASS I RECLAIMED WATER
COOLING TOWER MAKE-UP WATERS
TERTIARY TREATED WATER

COMPANY IDENTIFICATION

Chevron Products Company
575 Market St.
San Francisco, CA 94105-2856

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or
(510)231-0623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (703)527-3887
Emergency Information Centers
are located in U.S.A.
Int'l collect calls accepted

PRODUCT INFORMATION: (800)689-3998 MSDS Requests and Technical

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % UTILITY WATERS

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
UTILITY WATERS	100.00%		

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****

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Liquid. Color and odor variable.

- NOT FOR HUMAN CONSUMPTION
- MAY BE HARMFUL IF SWALLOWED

IMMEDIATE HEALTH EFFECTS

EYE:

Not expected to cause prolonged or significant eye irritation.

SKIN:

Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.

INGESTION:

May be irritating to mouth, throat, and stomach. May be harmful if swallowed.

INHALATION:

Not expected to be harmful if inhaled.

SIGNS AND SYMPTOMS OF EXPOSURE:

INGESTION: Digestive tract irritation may include nausea, vomiting, and diarrhea.

4. FIRST AID MEASURES

EYE:

No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.

SKIN:

No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.

INGESTION:

If swallowed, do not induce vomiting. Give the person a glass of water or milk to drink and get medical attention. Never give anything by mouth to an unconscious person.

INHALATION:

No specific first aid measures are required because this material is not

expected to be harmful if inhaled. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified as flammable or combustible.

FLAMMABLE PROPERTIES:

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FLASH POINT: NA

AUTOIGNITION: NA

FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA:

This material will not burn.

NFPA RATINGS: Health 0; Flammability 0; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

This material will not burn.

COMBUSTION PRODUCTS:

None

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887

International Collect Calls Accepted

ACCIDENTAL RELEASE MEASURES:

Stop the source of the leak or release.

7. HANDLING AND STORAGE

Avoid contact with eyes, skin, and clothing. Do not taste or swallow.
Wash thoroughly after handling.

Piping and equipment should be labeled as "Not for human consumption", or equivalent phrase.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not

adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS

Use in a well-ventilated area.

Additives used to treat utility water may be hazardous in their concentrated forms. These additives may require special handling procedures and protective clothing. Consult the vendor MSDS for the specific product for further information. The Chevron MSDS for Utility Waters applies only to water containing additives that have been diluted working concentration.

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PERSONAL PROTECTIVE EQUIPMENT**EYE/FACE PROTECTION:**

No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

SKIN PROTECTION:

No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Nitrile> <Viton> <4H (Polyethylene-Ethylene Vinyl Alcohol Laminate)> The thin laminates (Silver Shield, 4H) should be worn as an under-glove.

RESPIRATORY PROTECTION:

No respiratory protection is normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:

Liquid. Color and odor variable.

pH: Variable base on composition.

VAPOR PRESSURE: NA

VAPOR DENSITY

(AIR=1): NA

BOILING POINT: >212F (>100C) (Min.)

FREEZING POINT: <32F (0C) (Max.)

MELTING POINT: <32F (0C) (Max.)

SOLUBILITY: 100% Soluble in water.

SPECIFIC GRAVITY: 1.0 Approx.

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

CHEMICAL STABILITY:

This material is considered chemically and thermally stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

None.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

The eye irritation hazard is based on data for a similar material.

SKIN EFFECTS:

The skin irritation hazard is based on data for a similar material.

ACUTE ORAL EFFECTS:

The acute oral toxicity is based on data for a similar material.

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ACUTE INHALATION EFFECTS:

The acute respiratory toxicity is based on data for a similar material.

SUBCHRONIC EFFECTS:

Inhalation exposure to mists or aerosols of utility water from cooling towers is not hazardous providing proper maintenance is done to inhibit the growth of microorganisms. This is true for all sources of utility water including Class 1 Reclaimed Water. In fact CLASS 1 Reclaimed water is used to irrigate food crops and in situations which allow water-contact recreation like swimming. However, without the proper maintenance, all recirculating cooling towers and air conditioning units can allow microorganisms (like the type that causes Legionnaires Disease) to grow and become a potential health hazard.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

This material is not expected to be toxic to aquatic organisms.

ENVIRONMENTAL FATE:

This material is not expected to present an environmental problem.

13. DISPOSAL CONSIDERATIONS

Not Applicable.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NDA

DOT HAZARD CLASS: NDA

DOT IDENTIFICATION NUMBER: NDA

DOT PACKING GROUP: NDA

15. REGULATORY INFORMATION

SPECIAL NOTES: Class 1 Recaimed Water meets the standards of Title 22 of the California Department of Health Service regulations.

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects:	YES
2. Delayed (Chronic) Health Effects:	NO
3. Fire Hazard:	NO
4. Sudden Release of Pressure Hazard:	NO
5. Reactivity Hazard:	NO

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REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a) (2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	

None of the listed components of this material are found on the regulatory lists indicated.

16. OTHER INFORMATION

NFPA RATINGS: Health 0; Flammability 0; Reactivity 0;

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:

Changes have been made throughout this Material Safety Data Sheet. Please read the entire document.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed
NDA - No Data Available	NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology

and Health Risk Assessment Unit, CRTC, P.O. Box 1627, Richmond, CA 94804

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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